

```

1  ctcgacccac gcgctccgcgc gccccaggag ccaaagccgg gctccaagtc ggcgcccccac
61  gtcgaggctc cgccgcagcc tccggagttg gccgcagaca agaaggggag ggagcgggag
121 agggaggaga gctccgaagc gagaggggccg agcgccatgc gccgcgccag cagagactac
181 accaagtacc tgcgtggctc ggaggagatg ggcgggcgcc ccggagcccc gcacgagggc
241 cccctgcacg ccccgccgcc gcctgcgcgc caccagcccc ccgcccctc ccgctccatg
301 ttcgtggccc tcctggggct ggggctgggc cagggtgtct gcagcgtcgc cctgttcttc
361 tatttcagag cgagatgga tcctaataa atatacaga atggcactca ctgcatttat
421 agaattttga gactccatga aaatgcagat tttcaagaca caactctgga gagtcaagat
481 acaaaattaa tacctgattc atgtaggaga attaaacagg cttttcaagg agctgtgcaa
541 aaggaattac aacatatcgt tggatcacag cacatcagag cagagaaagc gatggtggat
601 ggctcatggt tagatctggc caagaggagc aagcttgaag ctcagccttt tgctcatctc
661 actattaatg ccaccgacat cccatctggt tcccataaag tgagtctgtc ctcttggtac
721 catgatcggg gttgggcca gatctccaac atgactttta gcaatggaaa actaatagtt
781 aatcaggatg gcttttatta cctgtatgcc aacatttgct ttcgacatca tgaaacttca
841 ggagacctag ctacagagta tcttcaacta atgggtgtac tcaactaaaac cagcatcaaa
901 atcccaagtt ctcataccct gatgaaagga ggaagcacca agtattggtc aggggaattct
961 gaattccatt tttattccat aaacgttggt ggatttttta agttacggtc tggagaggaa
1021 atcagcatcg aggtctccaa cccctcctta ctggatccgg atcaggatgc aacatacttt
1081 ggggctttta aagttcgaga tatagattga gccccagttt ttggagtgtt atgtatttcc
1141 tggatgtttg gaaacatttt taaaaacaag ccaagaaaga tgtatatagg tgtgtgagac
1201 tactaagagg catggcccca acggtacacg actcagtatc catgctcttg acctgtaga
1261 gaacacgcgt atttacagcc agtgggagat gttagactca tgggtgtgta cacaatggtt
1321 tttaaatttt gtaatgaatt cctagaatta aaccagattg gagcaattac ggggtgacct
1381 tatgagaaac tgcattgtgg ctatgggagg ggttggtccc tgggtcatgtg ccccttcgca
1441 gctgaagtgg agagggtgtc atctagcgca attgaaggat catctgaagg ggcaaattct
1501 tttgaattgt tacatcatgc tggaaacctgc aaaaaatact ttttctaatt aggagagaaa
1561 atatatgtat ttttatataa tatctaaagt tatatttcag atgtaattgt ttctttgcaa
1621 agtattgtaa attatatttg tgctatagta tttgattcaa aatattttaa aatgtcttgc
1681 tgttgacata tttaatgttt taaatgtaca gacatattta actggtgcac tttgtaaatt
1741 ccctggggaa aacttgacgc taaggagggg aaaaaaatgt tgtttcctaa tatcaaagtc
1801 agtatatttc ttggttcttt ttaagttaat agattttttc agacttgtca agcctgtgca
1861 aaaaaattaa aatggatgcc ttgaataata agcaggatgt tggccaccag gtgcctttca
1921 aatttagaaa ctaattgact ttagaaagct gacattgcca aaaaggatac ataatgggcc
1981 actgaaatct gtcaagagta gttatataat tgttgaacag gtgtttttcc acaagtgccg
2041 caaattgtac cttttttttt ttttcaaaat agaaaagtta ttagtggttt atcagcaaaa
2101 aagtccaatt ttaatttagt aaatgttatc ttatactgta caataaaaaa attgcctttg
2161 aatgttaatt ttttggtaaa aaaataaatt tatatgaaaa cctgaaaaaa aaaacaaaaa
2221 aaaaaa (SEQ ID NO:1)

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FIG. 1

1 MDPNRISEDGTHCIYRILRLHENADFQDTTLESQDTKLIPDSCRRIKQAFQGAVQKELQHIVGSQHIRAE  
71 KAMVDGSWLDLAKRSKLEAQPFAHLTINATDIPSGSHKVSLSWYHRCWAKISNMTFSNGKLIVNQDGF  
141 YYLYANICFRHHETSGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWSGNSEFHFYSINVGGFFKL  
211 RSGEEISIEVSNPSLLDPDQDATYFGAFKVRDID (SEQ ID NO:2)

**FIG. 2**

1 ctctntgtgnt cngggcgccct ggcctattga aggttttttaa tcttcagagt ttcgacttta  
61 tcaacaacac ttagaagcca ccaaagaatt gcagatggat cctaatagaa tatcagaaga  
121 tggcactcac tgcatttata gaattttgag actccatgaa aatgcagatt ttcaagacac  
181 aactctggag agtcaagata caaaattaat acctgattca tgtaggagaa ttaaacaggc  
241 ctttcaagga gctgtgcaaa aggaattaca acatatcggt ggatcacagc acatcagagc  
301 agagaaagcg atggtggatg gctcatgggt agatctggcc aagaggagca agcttgaagc  
361 tcagcctttt gctcatctca ctattaatgc caccgacatc ccatctgggt ccataaaagt  
421 gagtctgtcc tcttggtagc atgatcgggg ttggggccaag atctccaaca tgacttttag  
481 caatggaaaa ctaatagtta atcaggatgg cttttattac ctgtatgcca acatttgctt  
541 tcgacatcat gaaacttcag gagacctagc tacagagtat cttcaactaa tgggtgtacgt  
601 cactaaaacc agcatcaaaa tcccaagttc tcataacctg atgaaaggag gaagcaccaa  
661 gtatttgtca gggaattctg aattccattt ttattccata aacgttgggt gatttttttaa  
721 gttacggtct ggagaggaaa tcagcatcga ggtctccaac cctccttac tggatccgga  
781 tcaggatgca acatactttg gggcttttaa agttcgagat atagattgag cccagtttt  
841 tggagtgtta tgtatttcct ggatgtttgg aaacattttt taaaacaagc caagaaagat  
901 gtatataggt gtgtgagact actaagaggc atggcccaa cggtagacga ctcagtatcc  
961 atgctcttga cctttagtag aacacgcgta tttacagcca gtgggagatg ttagactcat  
1021 ggtgtgttac acaatggttt taaatttttg taatgaattc ctagaattaa accagattgg  
1081 agcaattacg ggttgacctt atgagaaact gcatgtgggc tatgggaggg gttggtccct  
1141 ggtcatgtgc cccttcgcag ctgaagtga gaggggtgtca tctagcgcaa ttgaaggatc  
1201 atctgaaggg gcaaattctt ttgaattgtt acatcatgct ggaacctgca aaaaatactt  
1261 tttctaataa ggagagaaaa tatatgtatt tttatataat atctaaagtt atatttcaga  
1321 tgtaatgttt tctttgcaaa gtattgtaaa ttatatattgt gctatagtat ttgattcaaa  
1381 atatttaaaa atgtcttgct gttgacatat ttaatgtttt aaatgtacag acatatttaa  
1441 ctggtgcact ttgtaaattc cctggggaaa acttgcagct aaggagggga aaaaaatgtt  
1501 gtttcctaata atcaaagca gtatatcttct tggttctttt taagttaata gattttttca  
1561 gacttgtcaa gcctgtgcaa aaaaattaaa atggatgcct tgaataataa gcaggatgtt  
1621 ggccaccagg tgcctttcaa atttagaaac taattgactt tagaaagctg acattgccaa  
1681 aaaggataca taatgggcca ctgaaatctg tcaagagtag ttatataatt gttgaacagg  
1741 tgtttttcca caagtgccgc aaattgtacc tttttttttt tttcaaaata gaaaagttat  
1801 tagtggttta tcagcaaaaa agtccaattt taatttagta aatgttatct tatactgtac  
1861 aataaaaaa ttgcctttga atgttaattt tttggtacaa aaataaattt atatgaaaac  
1921 ctgaaaaaaaa aaacaaaaaa aaaaa (SEQ ID NO:9)

FIG. 3

1 MDPNRISEDGTHCIYRILRLHENADFQDTTLESQDTKLIPDSCRRIKQAFQGAVQKELQHIVGSQHIRAE  
71 KAMVDGSWLDLAKRSKLEAQPFAHLTINATDIPSGSHKVSLSWYHARGWAKISNMTFSNGKLIVNQDGF  
141 YYLYANICFRHHETSGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWSGNSEFHFYSINVGGFFKL  
211 RSGEEISIEVSNPSLLDPDQDATYFGAFKVRDID (SEQ ID NO:10)

**FIG. 4**

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1  ccgctgagggc cgcgggcgccc gccagcctgt cccgcgccat ggccccgcgc gcccgggcggc
61  gccgcccgtct gttcgcgctg ctgctgctct gcgcgctgct cgccccgctg caggtggctt
121  tgcagatcgc tcctccatgt accagtgaga agcattatga gcatctggga cgggtgctgta
181  acaaatgtga accaggaaaag tacatgtctt ctaaattgcac tactacctct gacagtgtat
241  gtctgccctg tggcccggat gaatacttgg atagctggaa tgaagaagat aaatgcttgc
301  tgcataaagt ttgtgataca ggcaaggccc tggtagccgt ggtagccggc aacagcacga
361  cccccggcg ctgcgcgtgc acggctgggt accactggag ccaggactgc gagtctgcc
421  gccgcaacac cgagtgcgcg ccgggctgg gcgcccagca cccgttgag ctcaacaagg
481  acacagtgtg caaaccttgc cttgcaggct acttctctga tgccttttcc tccacggaca
541  aatgcagacc ctggaccaac tgtaccttcc ttggaagag agtagaacat catgggacag
601  agaaatccga tgcggtttgc agttcttctc tgccagctag aaaaccacca aatgaacccc
661  atgtttactt gcccggttta ataattctgc ttctcttgc gtctgtggcc ctggtggctg
721  ccacatctt tggcggttgc tataggaaaa aagggaagc actcacagct aatttgtggc
781  actggatcaa tgaggcttgt ggccgctaa gtggagataa ggagtcctca ggtgacagtt
841  gtgtcagtac acacacggca aactttggtc agcagggagc atgtgaaggt gtcttactgc
901  tgactctgga ggagaagaca tttccagaag atatgtgcta cccagatcaa ggtggtgtct
961  gtcagggcac gtgtgtagga ggtggtccct acgcacaagg cgaagatgcc aggatgctct
1021  cattggtcag caagaccgag atagaggaag acagcttcag acagatgccc acagaagatg
1081  aatacatgga caggccctcc cagcccacag accagttact gttcctcact gagcctggaa
1141  gcaaattccac acctccttcc tctgaacccc tggaggtggg ggagaatgac agtttaagcc
1201  agtgcctcac ggggacacag agcacagtgg gttcagaaag ctgcaactgc actgagcccc
1261  tgtgcaggac tgattggact cccatgtcct ctgaaaacta cttgcaaaaa gaggtggaca
1321  gtggccattg cccgcactgg gcagcagcc ccagcccaa ctgggcagat gtctgcacag
1381  gctgcgggaa cctcctggg gaggactgtg aacccctcgt gggttcccca aaacgtggac
1441  ccttgcccca gtgcgcctat ggcatgggccc tccccctga agaagaagcc agcaggagcg
1501  aggccagaga ccagcccag gatggggctg atgggaggt cccaagctca gcgaggcag
1561  gtgcggggtc tggaagetcc cctggtggcc agtcccctgc atctggaaat gtgactggaa
1621  acagtaactc cacgttcac tccagcgggc aggtgatgaa cttcaagggc gacatcatcg
1681  tggctctacg cagccagacc tcgcaggagg gcgcggcggc ggctgcggag cccatgggccc
1741  gcccggtgca ggaggagacc ctggcgcgcc gagactcctt cgcggggaac ggcccgcgct
1801  tcccggaccc gtgcggcgcc cccgaggggc tgcgggagcc ggagaaggcc tcgaggccgg
1861  tgcaggagca aggcggggcc aaggcttgag cgcgccccat ggctgggagc ccgaagctcg
1921  gagccagggc tcgcgagggc agcaccgcag cctctgcccc agccccggcc acccagggat
1981  cgatcgggtac agtcgaggaa gaccacccgg cattctctgc ccactttgcc ttcaggaaa
2041  tgggcttttc aggaagtga ttgatgagga ctgtcccat gccacaggat gctcagcagc
2101  ccgcccact ggggcagat tctcccctgc cactcctcaa actcgcagca gtaatttgtg
2161  gcactatgac agctattttt atgactatcc tgttctgtgg ggggggggtc tatgttttcc
2221  ccccatattt gtattccttt tcataacttt tcttataatc tttcctcctt cttttttaat
2281  gtaaaggttt tctcaaaaat tctcctaaag gtgagggct ctttcttttc tttttcctt
2341  ttttttttct ttttttgga acctggctct ggcocaggct agagtgcagt ggtgcgatta
2401  tagcccgtg cagcctctaa ctctgggct caagcaatcc aagtatcct cccacctcaa
2461  ccttcggagt agctgggatc acagctgcag gccacgccc gcttctctcc cccactccc
2521  cccccccaga gacacggtcc caccatgtta cccagcctgg tctcaaaact cccagctaaa
2581  gcagtcctcc agcctcgcc tcccaaagta ctgggattac aggcgtgagc cccacgctg
2641  gcctgcttta cgtattttct tttgtgcccc tgcacacagt gttttagaga tggctttccc
2701  agtgtgtgtt cattgtaaac acttttggga aagggtctaa catgtgaggc ctggagatag
2761  ttgctaagtt gctaggaaca tgtggtggga ctttcatatt ctgaaaaatg ttctatattc
2821  tcatttttct aaaagaaaga aaaaaggaaa cccgatttat ttctcctgaa tctttttaag
2881  tttgtgtcgt tccttaagca gaactaagct cagtatgtga ccttaccgcg taggtggtta
2941  atttatccat gctggcagag gcactcaggt acttggttaag caaatttcta aaactccaag
3001  ttgctgcagc ttggcattct tcttattcta gaggtctctc tggaaaagat ggagaaaatg
3061  aacaggacat ggggtcctg gaaagaaagg gcccggaag ttcaaggaag aataaagttg
3121  aaattttaaa aaaaaa (SEQ ID NO:11)

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FIG. 5

1 MAPRARRRRPLFALLLLCALLARLQVALQIAPPCTSEKHYEHLGRCCNKCEPGKYMSSKCTTTSDSVCLP  
71 CGPDEYLDWNEEDKCLLHKVCDTGKALVAVVAGNSTTPRRCACTAGYHWSQDCECCRRNTECAPGLGAQ  
141 HPLQLNKDTVCKPCLAGYFSDAFSSTDKCRPWTNCTFLGKRVEHHGTEKSDAVCSSSLPARKPPNEPHVY  
211 LPGLIILLFFASVALVAIIIFGV CYRKKGKALTANLWHWINEACGRLSGDKESSGDSCVSTHTANFGQQG  
281 ACEGVLLLLTLEEKTFPEDMCYPDQGGVCQGTGCVGGGPYAQGEDARMLSLVSKTEIEEDSFRQMPTEDEYM  
351 DRPSQPTDQLLFLTEPGSKSTPPFSEPLEVGENDSLSQCFGTGTQSTVGSESCNCTEPLCRTDWTMSEN  
421 YLQKEVDSGHCPHWAASPSPNWADVCTGCRNPPGEDCEPLVGSPKRGPLPQCAYGMGLPPEEEASRTEAR  
491 DQPEDGADGRLPSSARAGAGSGSSPGGQSPASGNVTGNSNSTFISSGQVMNFKGDIIVVYVSQTSQEGAA  
561 AAAEPMGRPVQEETLARRDSFAGNGPRFPDPCGGPEGLREPEKASRPVQEQQGAKA (SEQ ID NO:12)

FIG. 6

```

1  ccgcagctgg ggcttggcct gcgggcgggc agcgaaggtg gcgaaggctc ccactggatc
61  cagagtttgc cgtccaagca gcctcgtctc ggcgcgaggt gtctgtgtcc gtcctctacc
121 agcgcccttg ctgagcggag tcgtgcggtt ggtgggggag ccctgccctc ctggttcggc
181 cccccgcgc actagaacga gcaagtgata atcaagttac tatgagtctg ctaaactgtg
241 aaaacagctg tggatccagc cagtctgaaa gtgactgctg tgtggccatg gccagctcct
301 gtagcgctgt aacaaaagat gatagtgtgg gtggaactgc cagcacgggg aacctctcca
361 gctcatttat ggaggagatc cagggatatg atgtagagtt tgaccacccc ctggaaagca
421 agtatgaatg ccccatctgc ttgatggcat tacgagaagc agtgcaaacg ccatgcgggc
481 ataggttctg caaagcctgc atcataaaat caataaggga tgcaggtcac aaatgtccag
541 ttgacaatga aatactgctg gaaaatcaac tatttccaga caattttgca aaacgtgaga
601 ttctttctct gatggtgaaa tgtccaaatg aaggttgttt gcacaagatg gaactgagac
661 atcttgagga tcatcaagca cattgtgagt ttgctcttat ggattgtccc caatgccagc
721 gtcccttcca aaaattccat attaatattc acattctgaa ggattgtcca aggagacagg
781 tttcttgtga caactgtgct gcatcaatgg catttgaaga taaagagatc catgaccaga
841 actgtccttt ggcaaatgtc atctgtgaat actgcaatac tatactcatc agagaacaga
901 tgcctaatac ttatgatcta gactgcccta cagccccaat tccatgcaca ttcagtactt
961 ttggttgcca tgaaaagatg cagaggaatc acttggcacg ccacctacaa gagaacaccc
1021 agtcacacat gagaatgttg gccaggctg ttcatagttt gagcggtata cccgactctg
1081 ggtatatctc agaggtccgg aatttccagg aaactattca ccagttagag ggtcgcttg
1141 taagacaaga ccatcaaata cgggagctga ctgctaaaat ggaaactcag agtatgtatg
1201 taagtgagct caaacgaacc attcgaaccc ttgaggacaa agttgctgaa atcgaagcac
1261 agcagtgcaa tggaaatttat atttggaaga ttggcaactt tggaaatgct ttgaaatgct
1321 aagaagagga gaaacctgtt gtgattcata gccctggatt ctacactggc aaaccgggt
1381 acaaactgtg catgcgcttg caccttcagt taccgaotgc tcagcgctgt gcaaactata
1441 tatccctttt tgtccacaca atgcaaggag aatatgacag ccacctccct tggcccttcc
1501 aggttacaat acgccttaca attcttgatc agtctgaagc acctgtaagg caaaaccacg
1561 aagagataat ggatgccaaa ccagagctgc ttgctttcca gcgaccacaa atcccacgga
1621 acccaaaagg ttttggtat gtaactttta tgcactctgga agccctaaga caaagaactt
1681 tcattaagga tgacacatta ttagtgcgct gtgaggtctc caccgcgttt gacatgggta
1741 gccttcggag ggagggtttt cagccacgaa gtactgatgc aggggtatag cttgccctca
1801 cttgctcaaa aacaactacc tggagaaaac agtgcccttc cttgccctgt tctcaataac
1861 atgcaaacaa acaagccacg ggaaatatgt aatatctact agtgagtgtt gttagagagg
1921 tcacttacta tttcttctctg ttacaaatga tctgaggcag ttttttctct ggaatccaca
1981 cgttccatgc tttttcagaa atgttaggcc tgaagtgcct gtggcatgtt gcagcagcta
2041 ttttgccagt tagtatacct ctttggtgta ctttcttggg cttttgctct ggtgtatatt
2101 attgtcagaa agtccagact caagagtact aaacttttaa taataatgga ttttcttaa
2161 aacttcagtc tttttgtagt attatatgta atatattaaa agtgaaaatc actaccgctc
2221 tg (SEQ ID NO:13)

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FIG. 7

1 MSLNCNSCGSSQSESDCCVAMASSCSAVTKDDSVGGTASTGNLSSSFMEEIQGYDVEFDPPLESKYEC  
71 PICLMALREAVQTPCGHRFCACIIKSIRDAGHKCPVDNEILLENQLFPDNFAKREILSLMVKCPNEGCL  
141 HKMELRHLEDHQAHCEFALMDCPQCQRPFQKFHINIHLKDCPRRQVSCDNCAASMAFEDKEIHDQNCPL  
211 ANVICEYCNILIREQMPNHYDLDCPTAPIPCTFSTFGCHEKMQRNHLARHLQENTQSHMRMLAQAVHSL  
281 SVIPDSGYISEVRNFQETIHQLEGRQVRQDHQIRELTAKMETQSMYVSELKRTIRTLEDKVAEIEAQQCN  
351 GIYIWKIGNFGMHLKCQEEKPVVIHSPGFYTGKPGYKLCMRLHLQLPTAQRCAANYISLFVHTMQGEYDS  
421 HLPWPFQGTIRLTILDQSEAPVRQNHEEIMDAKPELLAFQRPTIPRNPKGFGYVTFMHLEALRQRTFIKD  
491 DTLLVRCEVSTRFDMGSLRREGFQPRSTDAGV (SEQ ID NO:14)

FIG. 8



Human	-----
Mouse	CCCACGTCCCGGGGAGCCACTGCCAGGACCTTTGTGAACCGGTGCGGGCG
Human	-----CGCCGCAGCCTCCGGAGTTGGCCGCAGACAAGAAGGGGAGGGA
Mouse	GGGGCCGTGGCGGAGTCTGCTCGGCGGTGGGTGGCCCGAGAAGGGAGAGA * * * * *
Human	GCGGGAGAGGGAGGAGAGCTCCGAAGCGAGAGGGCCGAGCGCCATGCGCC
Mouse	ACGATCGCGGAGCAGGGCGCCGAACCTCCGGGCGCC--GCGCCATGCGCC * * * * *
Human	GCGCCAGCAGAGACTACACCAAGTACCTGCGTGGCTCGGAGGAGATGGGC
Mouse	GGGCCAGCCGAGACTACGGCAAGTACCTGCGCAGCTCGGAAGAGATGGGC * * * * *
Human	GGCGGCCCCGGAGCCCCGCACGAGGGCCCCCTGCACGCCCCGCGCC---
Mouse	AGCGGCCCCGGCGTCCACACGAAGGTCCGCTGCACCCGCGCCTTCTGC * * * * *
Human	GCCTGCGCCGCACCAGCCCCCGCCGCTCCCGCTCCATGTTCTGGCCC
Mouse	ACCGGCTCCGGCGCCGCCACCCGCGCCTCCCGCTCCATGTTCTGGCCC * * * * *
Human	TCCTGGGGCTGGGGCTGGGCCAGGTTGTCTGCAGCGTCGCCCTGTTCTTC
Mouse	TCCTGGGGCTGGGACTGGGCCAGGTGGTCTGCAGCATCGCTCTGTTCTGC * * * * *
Human	TATTTTCAGAGCGCAGATGGATCCTAATAGAATATCAGAAGATGGCACTCA
Mouse	TACTTTTCAGAGCGCAGATGGATCCTAACAGAATATCAGAAGACAGCACTCA * * * * *
Human	CTGCATTTATAGAATTTTGAGACTCCATGAAAATGCAGATTTTCAAGACA
Mouse	CTGCTTTTATAGAATCCTGAGACTCCATGAAAACGCAGGTTTGCAGGACT * * * * *
Human	CAACTCTGGAGAGTCAAGATACAAAATTAATACCTGATTCATGTAGGAGA
Mouse	CGACTCTGGAGAGTGAAGACACAC-----TACCTGACTCCTGCAGGAGG * * * * *
Human	ATTAAACAGGCCTTTCAAGGAGCTGTGCAAAAGGAATTACAACATATCGT
Mouse	ATGAAACAAGCCTTTCAAGGGGCGGTGCAGAAGGAAGTGAACACATTGT * * * * *
Human	TGGATCACAGCACATCAGAGCAGAGAAAGCGATGGTGGATGGCTCATGGT
Mouse	GGGGCCACAGCGCTTCTCAGGAGCTCCAGCTATGATGGAAGGCTCATGGT * * * * *
Human	TAGATCTGGCCAAGAGGAGCAAGCTTGAAGCTCAGCCTTTTGCTCATCTC
Mouse	TGGATGTGGCCAGCGAGGCAAGCCTGAGGCCAGCCATTTGCACACCTC * * * * *
Human	ACTATTAATGCCACCGACATCCCATCTGGTTCCTATAAAGTGAGTCTGTC
Mouse	ACCATCAATGCTGCCAGCATCCCATCGGGTTCCTATAAAGTCACTCTGTC * * * * *

FIG. 9A

Human	CTCTTGGTACCATGATCGGGGTGGGCCAAGATCTCCAACATGACTTTTA
Mouse	CTCTTGGTACCACGATCGAGGCTGGGCCAAGATCTCTAACATGACGTTAA ***** ** *
Human	GCAATGGAAACTAATAGTTAATCAGGATGGCTTTTATTACCTGTATGCC
Mouse	GCAACGGAAACTAAGGGTTAACCAAGATGGCTTCTATTACCTGTACGCC **** ***** ** *
Human	AACATTTGCTTTCGACATCATGAAACTTCAGGAGACCTAGCTACAGAGTA
Mouse	AACATTTGCTTTCGGCATCATGAAACATCGGGAAGCGTACCTACAGACTA ***** ***** ** * * *
Human	TCTTCAACTAATGGTGACGTCACTAAAACCAGCATCAAATCCCAAGTT
Mouse	TC TTCAGCTGATGGTGATGTCGTTAAAACCAGCATCAAATCCCAAGTT ***** ** ***** *
Human	CTCATACCCTGATGAAAGGAGGAAGCACCAAGTATTGGTCAGGGAATTCT
Mouse	CTCATAACCTGATGAAAGGAGGGAGCACGAAAACTGGTCGGGCAATTCT ***** ***** ** * *
Human	GAATTCATTTTATTCCATAAACGTTGGTGGATTTTTTAAGTTACGGTC
Mouse	GAATTCACCTTTTATTCCATAAATGTTGGGGGATTTTTCAAGCTCCGAGC ***** ***** ***** * * *
Human	TGGAGAGGAAATCAGCATCGAGGTCTCCAACCCCTCCTTACTGGATCCGG
Mouse	TGGTGAAGAAATTAGCATTCAGGTGTCCAACCCCTCCCTGCTGGATCCGG *** ** ***** ***** * *
Human	ATCAGGATGCAACATACTTTGGGGCTTTTAAAGTTCGAGATATAGATTGA
Mouse	ATCAAGATGCGACGTACTTTGGGGCTTTCAAAGTTCAGGACATAGACTGA **** ***** ***** ** *
Human	GCCCCAGTTTTTGGAGTGTTA---TGTATTTCTGGATGTTTGGAACAT
Mouse	GACTCATTTTCGTGGAACATTAGCATGGATGTCCTAGATGTTTGGAACAT * * * * * * * * * *
Human	TTTTTAAACAAGCCAAGAAAGATGTATATAGGTGTGTGAGACTACTAAG
Mouse	CTTAAAAAAT-----GGA-TGATGTCTATACATGTGTAAGACTACTAAG ** **** ** ***** *
Human	AGGCATGGCCCCAACGGTACACGACTCAGTATCCATGCTCTTGA-CCTTG
Mouse	AGACATGGCCCCACGGTGTATGAAACTCACAGCCCTCTCTCTTGAGCCCTG ** ***** ** ***** ** *
Human	TAGAGAACACGCGTATTTACAGCCAGTGGGAGATGTTAGACTCATGGTGT
Mouse	TACAGGTTGTGTATATGTAAAGTCCATAGGTGATGTTAGATTGATGGTG- ** * * * * * * * *
Human	GTTACACAATGGTTTTTAAATTTTGTAATGAATTCCTAGAATTAAACCAG
Mouse	ATTACACAACGGTTTTTACAATTTTGTAATGATTCCTAGAATTGAACCAG ***** ***** *
Human	ATTGGAGCAATTACGGGTTGAC-CTTATGAGAACT-GCATGTGGGCTAT
Mouse	ATTGGGAGAGGTAT--TCCGATGCTTATGAAAACTTACACGTGAGCTAT ***** * * * * * * * *

FIG. 9B

Human	GGGAGGGG-----TTGGTCCCTGGTCATGTGCCCCCTTCGC
Mouse	GGAAGGGGGTACAGTCTCTGGTCTAACCCCTGGACATGTGCCACTGAGA
	<div style="display: flex; justify-content: space-between;"> <span>*** **</span> <span>* **** * *</span> </div>
Human	AGCT-GAAGTGGAGAGGGTGTCTCT-AGCGCAATTGAAGGATCATCTGA
Mouse	ACCTTGAAATTAAGAGGATGCCATGTCATTGCATAGAAATGATAGTGTGA
	<div style="display: flex; justify-content: space-between;"> <span>* ** ** *</span> <span>***** ** * * * *</span> </div>
Human	AGGGGCAAATTCCTTTGAATTGTTACATCATGCTGGAACCTGCAAAAAA-
Mouse	AGGGTTAAGTTCTTTGAATTGTTACATTGCGCTGGGACCTGCAATAAG
	<div style="display: flex; justify-content: space-between;"> <span>**** *</span> <span>***** ***** **</span> </div>
Human	--TACTTTTTCTAATGAGGAGAGAAAATATATGTATTTTTATATAATATC
Mouse	TTCTTTTTTCTAATGAGGAGA-AAAATATATGTATTTTTATATAATGTC
	<div style="display: flex; justify-content: space-between;"> <span>*****</span> <span>***** **</span> </div>
Human	TAAAGTTATATTTTCAGATGTAATGTTTCTTTGCAAAGTATTGTAAATTA
Mouse	TAAAGTTATATTTTCAGGTGTAATGTTTCTGTGCAAAGTTTGTAAATTA
	<div style="display: flex; justify-content: space-between;"> <span>*****</span> <span>***** *****</span> </div>
Human	TATTTGTGCTATAGTATTTGATTCAAAATATTTAAAAATGTCTTGCTGTT
Mouse	TATTTGTGCTATAGTATTTGATTCAAAATATTTAAAAATGTCTCACTGTT
	<div style="display: flex; justify-content: space-between;"> <span>*****</span> <span>*****</span> </div>
Human	GACATATTTAATGTTTTAAATGTACAGACATATTTAACTGGTGCACCTTTG
Mouse	GACATATTTAATGTTTTAAATGTACAGATGTATTTAACTGGTGCACCTTTG
	<div style="display: flex; justify-content: space-between;"> <span>*****</span> <span>*****</span> </div>
Human	TAAATTCCTGCGGAAACTTGCAGCTAAGGAGGGGAAAAAATGTTGTT
Mouse	TAATTCCTGGAAGGTA-CTCGTAGCTAAGGGGGC--AGAA--TACTGTT
	<div style="display: flex; justify-content: space-between;"> <span>*** * **** *</span> <span>* ** * ****</span> </div>
Human	TCCTAATATCAAATGCAGTATATTTCTTCGTTCTTTTAAAGTTAATAGAT
Mouse	TCTGGTGACCACATGTAGTTTATTTCTTTATTCTTTTAACTTAATAGAG
	<div style="display: flex; justify-content: space-between;"> <span>** *</span> <span>* ** * * * *****</span> </div>
Human	TTTTTCAGACTTGTCAAGCCTGTGCAA-----AAAATTAA
Mouse	TCTT-CAGACTTGTCAAACTATGCAAGCAAAATAAATAAATAAAATAA
	<div style="display: flex; justify-content: space-between;"> <span>* ** *****</span> <span>** ***** **** *</span> </div>
Human	AATGGATGCCTTGAATAATAAGCAGGATGTTGGCCACCAGGTGCCTTTCA
Mouse	AATGAATACCTTGAATAATAAGTAGGATGTTGGTCACCAGGTGCCTTTCA
	<div style="display: flex; justify-content: space-between;"> <span>**** **</span> <span>***** *****</span> </div>
Human	AATTTAGAACTAATTGACTTTAGAAAGCTGACATTGCCAAAAGGATAC
Mouse	AATTTAGAAGCTAATTGACTTTAGGA-GCTGACATAGCCAAAAGGA-AC
	<div style="display: flex; justify-content: space-between;"> <span>*****</span> <span>***** * ***** **</span> </div>
Human	ATAATGGGCCACTGAAATCTGTCAAGAGTAGTTATATAATTGTTGAACAG
Mouse	ATAATAGGCTACTGAAATCTGTCAAGAGTAGTTATGCAATTATTGAACAG
	<div style="display: flex; justify-content: space-between;"> <span>*****</span> <span>*** ***** **** *****</span> </div>

FIG. 9C

Human	GTGT--TTTTCCACAAGTGCCGCAAATTGTACCTTTT----TTTTTTTTT
Mouse	GTGTCTTTTTTTTACAAGAGCTACAAATGTAAATTTTGGTTTCTTTTTTT
	*****    *****    *    *****    *****    *    *****
Human	CAAAATAGAAAAGTTATTAGTGGTTTATCAGCAAAAAAG--TCCAATTT
Mouse	TCCCATAGAAAATGTACTA-TAGTTTATCAGCCAAAAACAATCCACTTT
	*****    *    *    *    *****    *****    *****    *
Human	T-AATTTAGTAAATGTTATCTTAT---ACTGTACAATAAAAACATTGCCT
Mouse	TTAATTTAGTGAAAGTTATTTTATTATACTGTACAATAAAGCATTGTCT
	*    *****    *    *    *    *    *****    *****    *
Human	TTGAATGTTAATTTTTTGGTACAAAAA-TAAATTTATATGAAAACCTGAA
Mouse	CTGAATGTTAATTTTTTGGTACAAAAAATAAATTTGTACGAAAA---AA
	*****    *****    *    *    *    *
Human	AAAAAAAAACAAAAAAAAAAAA (SEQ ID NO:1)
Mouse	AAAAAAAAAAAAAAAAAAAAA- (SEQ ID NO:15)
	*****    *****

FIG. 9D

human	MRRASRDYTKYLRGSEEMGGPGAPHEGPLH-APPPAPHPQPPAASRSMF
mouse	MRRASRDYGKYLRSSSEEMGSGPGVPHEGPLHPAPSAPAPAPPPAASRSMF
	***** .*****.*****.*****.*****.*****.*****.*****
human	VALLGLGLGQVVCSVALFFYFRAQMDPNRISEDGTHCIYRILRLHENADF
mouse	LALLGLGLGQVVCSIALFLYFRAQMDPNRISEDSTHCFYRILRLHENAGL
	:*****:***:*****.***:*****.:
human	QDTTLESQDTKLIPDSCRRIKQAFQGA VQKELQHIVGSQH IRAEKAMVDG
mouse	QDSTLESEDT--LPDSCRRMKQAFQGA VQKELQHIVGPQRFS GAPAMMEG
	**:*:*:* :*****:*****.***: . **:*:
human	SWLDLAKRSKLEAQPFAHLTINATDIPSGSHK VSLSSWYHDRGWAKISNM
mouse	SWLDVAQRGKPEAQPFAHLTINAASIPSGSHK VTLSSWYHDRGWAKISNM
	***:*:*.* *****:*****:*****
human	TFSNGKLIVNQDGFYYLYANICFRHHETSGDLATEYLQLMVYVTKTSIKI
mouse	TLNNGKL RVNQDGFYYLYANICFRHHETSGSVPTDYLQLMVYVTKTSIKI
	*:***** *****:*****.***:*****.*****
human	PSSHTLMKGGSTKYWSGNSEFHFYSINVG GFFKLRS GEEISIEVSNPSLL
mouse	PSSHNL MKGGSTKNWSGNSEFHFYSINVG GFFKL RAGEEISIQVSNPSLL
	***.***** *****:*****:*****
human	DPDQDATYFGAFKVRDID (SEQ ID NO:2)
mouse	DPDQDATYFGAFKVQDID (SEQ ID NO:16)
	*****:***

FIG. 10

KLEAQPFAHLTINATDIPSGSHKVSLSWYHDRGWAKISNMTFSNGKLIVNQDGFYYLYANICFRHHETSGDLA  
E R L IL E  
TEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWSGNSEFHFYSINVGGFKLRSGEESISIEVSNPSLLDPDQDAT  
S I I T R E  
YFGAFKVRDID (SEQ ID NO:8)

FIG. 11